

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,976

DATE: 11/14/2001

TIME: 14:08:48

Input Set : A:\0230-0158P.ST25.txt

Output Set: N:\CRF3\11142001\I856976.raw

3 <110> APPLICANT: KURAYA, Yoshiki et al.
 5 <120> TITLE OF INVENTION: PLANT TRANSFORMATION VECTORS
 7 <130> FILE REFERENCE: 0230-0158P
 9 <140> CURRENT APPLICATION NUMBER: 09/856976
 10 <141> CURRENT FILING DATE: 2001-05-30
 12 <160> NUMBER OF SEQ ID NOS: 5
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 12982
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Plasmid pSLB0
 24 <400> SEQUENCE: 1

ENTERED

```

25 aagcttgcat gcctgcagtg cagcgtgacc cggctcgtgcc cctctctaga gataatgagc      60
27 attgcatgtc taagttataa aaaattacca catatTTTTT ttgtcacact tgtttgaagt      120
29 gcagtttatac tatctttata catatatTTA aactttactc tacgaataat ataatctata      180
31 gtactacaat aatatcagtg ttttagagaa tcatataaat gaacagttag acatggtcta      240
33 aaggacaatt gagtatTTTg acaacaggac tctacagttt tatctTTTta gtgtgcatgt      300
35 gttctccttt ttttttgcaa atagcttcac ctatataata cttcatccat tttattagta      360
37 catccattta gggtttaggg ttaatggttt ttatagacta attttttttag tacatctatt      420
39 ttattctatt ttagcctcta aattaagaaa actaaaactc tatttttagtt tttttattta      480
41 ataattttaga tataaaatag aataaaataa agtgactaaa aattaaacaa atacccttta      540
43 agaaattaaa aaaactaagg aaacattttt cttgtttcga gtagataatg ccagcctgtt      600
45 aaacgcogtc gacgagtcta acggacacca accagcgaaac cagcagcgtc gcgtcgggcc      660
47 aagcgaagca gacggcacgg catctctgtc gctgcctctg gacccctctc gagagttccg      720
49 ctccaccgtt ggacttgctc cgctgtcggc atccagaaat tgcgtggcgg agcggcgagac      780
51 gtgagccggc acggcaggcg gcctcctcct cctctcacgg cacggcagct acgggggatt      840
53 cctttcccaac cgctccttcg ctttcccttc ctgcgccgcc gtaataaata gacacccctc      900
55 ccacacccctc tttccccaac ctcggtgtgt tgggagcgca cacacacaca accagatctc      960
57 ccccaaatec acccgtcggc acctccgctt caaggtacgc cgctcgtcct cccccccccc     1020
59 cctctcttac cttctctaga tcggcggttc ggtccatggt tagggcccg tagttctact     1080
61 tctgttcatg tttgtgttag atccgtgttt gtgttagatc cgtgctgcta gcgttcgtac     1140
63 acggatgcga cctgtacgtc agacacgttc tgattgctaa cttgccagtg tttctctttg     1200
65 gggaaatcctg ggatggctct agccgttcctg cagacgggat cgatttcatg attttttttg     1260
67 tttcgttgca tagggtttg tttgcccttt tcctttattt caatatatgc cgtgcacttg     1320
69 tttgtcgggt catcttttca tgcctttttt tgccttggtt gtgatgatgt ggtctggttg     1380
71 ggcggtcggt ctagatcgga gtagaattct gtttcaaact acctgggtgga tttattaatt     1440
73 ttggatctgt atgtgtgtgc catacatatt catagttacg aattgaagat gatggatgga     1500
75 aatatcgatc taggataggt atacatgttg atgcgggttt tactgatgca tatacagaga     1560
77 tgcctttttgt tcgcttggtt gtgatgatgt ggtgtggttg ggcggtcgtt cattcgttct     1620
79 agatcggagt agaatactgt ttcaaactac ctggtgtatt tattaatttt ggaactgtat     1680
81 gtgtgtgtca tacatcttca tagttacgag ttttaagatg atggaaatat cgatctagga     1740
83 taggtataca tgttgatgtg ggttttactg atgcataaac atgatggcat atgcagcatc     1800
85 tattcatatg ctctaacctt gagtacctat ctattataat aaacaagtat gttttataat     1860
87 ttttttgatc ttgatatact tggatgatgg catatgcagc agctatatgt ggattttttt     1920
89 agccctgcct tcatacgcta tttatttgot tgggtactgtt tcttttgcg atgctcacc     1980

```

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/856,976

TIME: 14:08:48

Input Set : A:\0230-0158P.ST25.txt

Output Set: N:\CRF3\11142001\I856976.raw

```

91 tgttgttttg tgttacttct gcaggtcgac totagaggat ccgcgtccgg gggcaatgag 2040
93 atatgaaaaa gcctgaactc accgcgacgt ctgtcgagaa gtttctgac gaaaagtccg 2100
95 acagcgtctc cgacctgatg cagctctcgg agggcgaaga atctcgtgct ttcagcttcg 2160
97 atgtaggagg gcgtggatat gtccctgcggg taaatagctg cgcgatggg ttctacaaag 2220
99 atcgttatgt ttatcggcac ttgtcatcgg ccgcgtccc gattccggaa gtgcttgaca 2280
101 ttggggaatt cagcgagagc ctgacctatt gcatctccc ccgtgcacag ggtgtcacgt 2340
103 tgcaagacct gcctgaaacc gaactgcccg ctgttctgca gccggtcgcg gaggccatgg 2400
105 atgcgatcgc tgcggccgat cttagccaga cgagcgggtt cggcccattc ggaccgcaag 2460
107 gaatcgggtca atacactaca tggcgtgatt tcatatgcgc gattgctgat ccccatgtgt 2520
109 atcactggca aactgtgatg gacgacaccg tcagtgcgtc cgtcgcgcag gctctcgatg 2580
111 agctgatgct ttgggccgag gactgccccg aagtccggca cctcgtgcac gcgatttcg 2640
113 gctccaacaa tgtcctgacg gacaatggcc gcataacagc ggtcattgac tggagcgagg 2700
115 cgatgttcgg ggattcccaa tacgaggctg ccaacatctt cttctggagg ccgtggttg 2760
117 cttgtatgga gcagcagacg cgtacttcg agcggaggca tccggagctt gcaggatcgc 2820
119 cgcggctccg ggcgtatatg ctccgcattg gtcttgacca actctatcag agcttggttg 2880
121 acggcaattt cgatgatgca gcttgggcgc agggctgatg cgacgcaatc gtccgatccg 2940
123 gagccgggac tgtcggcggt acacaaatcg cccgcagaag cgcggccgctc tggaccgatg 3000
125 gctgtgtaga agtactcgcc gatagtggaa accgacgcc cagcactcgt ccgagggcaa 3060
127 aggaatatag tagatgccga ccgaacaacg gatccgtcga cctgcagaga tcgttcaaac 3120
129 atttggcaat aaagtctctt aagattgaat cctgttgccg gtcttgcat gattatcata 3180
131 taatttctgt tgaattacgt taagcatgta ataattaaca tgtaatgcat gacgttattt 3240
133 atgagatggg tttttatgat tagagtcccg caattataca tttaatcgc gatagaaac 3300
135 aaaatatagc gcgcaaacta ggataaatta tcgcgcgcgg tgtcatctat gttactagat 3360
137 cgatgataag ctgtcaaaca tgagaattca gtacattaaa aacgtccgca atgtgttatt 3420
139 aagttgtcta agcgtcaatt tgtttacacc acaatatatc ctgccaccag ccagccaaca 3480
141 gctccccgac cggcagctcg gcacaaaatc accactcgat acaggcagcc catcagtcgg 3540
143 ggacggcgct agcgggagag ccgttgtaag gcggcagact ttgctcatgt taccgatgct 3600
145 attcggaaga acggcaacta agctgccggg ttgaaacac ggatgatctc gcggagggtta 3660
147 gcatgttgat tgtaacgatg acagagcgtt gctgcctgtg atcaaatac atctccctcg 3720
149 cagagatccg aattatcagc cttcttattc atttctcgct taaccgtgac aggtgtcga 3780
151 tcttgagaac tatgccgaca taataggaaa tcgctggata aagccgctga ggaagctgag 3840
153 tggcgctatt tctttagaag tgaacgttga cgtcgtcga ccgtaccccg atgaattaat 3900
155 tcggacgtac gttctgaaca cagctggata cttacttggg cgattgtcat acatgacatc 3960
157 aacaatgtac ccgtttgtgt aaccgtctct tggaggttcg tatgacacta gtggttcccc 4020
159 tcagcttgcg actagatgtt gaggaattcg atctagtaac atagatgaca ccgcgcgcga 4080
161 taatttatcc tagtttgcgc gctatatatt gttttctatc gcgtattaaa tgtataattg 4140
163 cgggactcta atcataaaaa cccatctcat aaataacgtc atgcattaca tgtaattat 4200
165 tacatgctta acgtaattca acagaaatta tatgataatc atcgcaagac cggcaacagg 4260
167 attcaatctt aagaaacttt attgccaaat gtttgaacga tcaattcgag ctcggtacgc 4320
169 aattccccac cgaggctgta gccgacgatg gtgcgccagg agagttgttg attcattgtt 4380
171 tgccctccctg ctgcggtttt tcaccgaagt tcatgccagt ccagcgtttt tgcagcagaa 4440
173 aagccgcgca cttcggtttg cggtcgcgag tgaagatccc tttcttggtta ccgccaacgc 4500
175 gcaatatgcc ttgcgaggtc gcaaaatcgg cgaaattcca tacctgttca ccgacgacgg 4560
177 cgtgacgcg atcaaagacg cggtgatata tatccagcca tgcacactga tactcttcac 4620
179 tccacatgct ggtgtacatt gagtgcagcc cggctaactg atccacgccg tattcgggtg 4680
181 tgataatcgg ctgatgcagt ttctcctgcc aggccagaag ttctttttcc agtaccttct 4740
183 ctgcggtttc caaatcgccg ctttggacat accatccgta ataacggttc aggcacagca 4800
185 catcaaagag atcgtcgatg gtatcggtgt gacgcgtcga gaacattaca ttgacgcagg 4860
187 tgatcgagcg cgtcgggtcg agtttacgcg ttgcttccgc cagtggcgaa atattcccgt 4920

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,976

DATE: 11/14/2001

TIME: 14:08:48

Input Set : A:\0230-0158P.ST25.txt

Output Set: N:\CRF3\11142001\I856976.raw

| | | | | | | | |
|-----|-------------|-------------|-------------|-------------|-------------|-------------|------|
| 189 | gcacttgccg | acggggtatcc | ggttcggttg | caatactcca | catcaccacg | cttggggtggt | 4980 |
| 191 | ttttgtcacg | cgctatcagc | tctttaatcg | cctgtaagtg | cgcttgctga | gtttccccgt | 5040 |
| 193 | tgactgcctc | ttegtgttac | agttctttcg | gcttggtgcc | cgcttcgaaa | ccaatgccta | 5100 |
| 195 | aagagagggt | aaagccgaca | gcagcagttt | catcaatcac | cacgatgcca | tgttcatctg | 5160 |
| 197 | cccagtcgag | catctcttca | gcgtaagggt | aatgcgaggt | acggtaggag | ttggcccca | 5220 |
| 199 | tccagtcctat | taatgcgtgg | tcgtgcacca | tcagcacgtt | atcgaaacct | ttgccacgta | 5280 |
| 201 | agtcgcgcatc | ttcatgacga | ccaaagccag | taaagtagaa | cggtttgtgg | ttaatcagga | 5340 |
| 203 | actgttcgcc | cttcaactgcc | actgaccgga | tgccgacgcg | aagcgggtag | atatcacact | 5400 |
| 205 | ctgtctggct | tttggtctgt | acgcacagtt | catagagata | accttcaccc | ggttgccaga | 5460 |
| 207 | ggtgcggatt | caccacttgc | aaagtcccgc | tagtgccctg | tccagttgca | accacctgtt | 5520 |
| 209 | gatccgcatc | acgcagttca | acgctgacat | caccattggc | caccacctgc | cagtcaacag | 5580 |
| 211 | acgcgtggtt | acagtcttgc | gcgacatgcg | tcaccacggg | gatatcgctc | acccaggtgt | 5640 |
| 213 | tcggcgtggt | gtagagcatt | acgctgcgat | ggattccggc | atagttaaag | aaatcatgga | 5700 |
| 215 | agtaagactg | ctttttcttg | cgtttttcgt | cggtaatcac | cattccccgc | gggatagttc | 5760 |
| 217 | gccagttcag | ttcgttggtc | acacaaacgg | tgatacgtac | acttttcccc | gcaataacat | 5820 |
| 219 | acggcgtgac | atcggcttca | aatggcgtat | agccgccttg | atgctccatc | acttctctgat | 5880 |
| 221 | tattgaccca | cactttgccg | taatgagtga | ccgcacgcga | acgcagcacg | atacgtgggc | 5940 |
| 223 | ctgcccgaac | tttcggtata | aagacttcgc | gctgatacca | gacgttgccc | gcataattac | 6000 |
| 225 | gaatatctgc | atcggcgaac | tgatcggtta | aactgcctgg | cacagcaatt | gcccggcttt | 6060 |
| 227 | cttgtaacgc | gctttcccac | caacgctgat | caattccaca | gttttcgoga | tccagactga | 6120 |
| 229 | atgccacag | gccgtcgagt | tttttgattt | caagggttgg | ggttttotaca | ggacggacga | 6180 |
| 231 | gtcgacgggt | ctgtaaactat | catcatcctc | atagacacac | gaaataaagt | aatcagatta | 6240 |
| 233 | tcagttaaag | ctatgtaata | tttacaccat | aaccaatcaa | ttaaaaaata | gatcagttta | 6300 |
| 235 | aagaaagatc | aaagctcaaa | aaaataaaaa | gagaaaaggg | tcctaaccac | gaaaatgaag | 6360 |
| 237 | gagaaaaact | agaaatttac | cctgtaggga | tccatgttct | aggatctggt | tgtgtgtgtg | 6420 |
| 239 | tgcgctccga | acaacacgag | gttggggaaa | gaggggtgtg | aggggggtgc | tattttattac | 6480 |
| 241 | ggcgggagag | gaagggaaa | cgaaggagcg | gtgggaaagg | aatcccccg | agctgccgtg | 6540 |
| 243 | ccgtgagagg | aggaggaggc | cgccgtgcgt | gcgggctcac | gtctgcccgt | ccgccacgca | 6600 |
| 245 | atttctggat | gccgacagcg | gagcaagtc | aacgggtggg | cggaactctc | gagagggtgc | 6660 |
| 247 | cagaggcagc | gacagagatg | ccgtgcccgc | tgcttcgctt | ggcccgaacg | gacgctgctg | 6720 |
| 249 | gttcgctggt | tggtgtccgt | tagactcgtc | gacggcgctt | aacaggctgg | cattatctac | 6780 |
| 251 | tcgaaaacaag | aaaaatgttt | ccttagtttt | tttaatttct | taaagggtat | ttgtttaatt | 6840 |
| 253 | tttagtcaact | ttatttttatt | ctatttttata | tctaaattat | taaataaaaa | aactaaaaata | 6900 |
| 255 | gagtttttagt | tttctttaatt | tagaggctaa | aatagaataa | aatagatgta | ctaaaaaaat | 6960 |
| 257 | tagtctataa | aaaccattaa | ccctaaaccc | taaattgatg | tactaataaa | atggatgaag | 7020 |
| 259 | tattatatag | gtgaagctat | ttgcaaaaaa | aaaggagaac | acatgcacac | taaaaagata | 7080 |
| 261 | aaactgtaga | gtcctgttgt | caaaatactc | aattgtcctt | tagaccatgt | ctaactgttc | 7140 |
| 263 | atttatatga | ttctctaaaa | cactgatatt | attgtagtac | tatagattat | attattcgta | 7200 |
| 265 | gagtaaagtt | taaataatat | tataaagata | gataaaactgc | acttcaaaca | agtgtgacaa | 7260 |
| 267 | aaaaaatatg | tggtaatttt | ttataactta | gacatgcaat | gctcattatc | tctagagagg | 7320 |
| 269 | ggcacgaccg | ggtcacgctg | cactgcaggc | atgcaagctc | ctaacatttt | attagagagc | 7380 |
| 271 | aggctagttg | cttagatata | tgatcttcag | gccgttatct | gtcaggggca | gcgaaaattg | 7440 |
| 273 | gccattttatg | acgaccaatg | ccccgcagaa | gtccccatct | ttgccgccat | agacgccgcg | 7500 |
| 275 | ccccccctttt | ggggtgtaga | acatcccttt | gccagatgtg | gaaaagaagt | tcgttgctcc | 7560 |
| 277 | attgttgga | atgacgtagt | agccggcgaa | agtgcgagac | ccatttgccg | tatatataag | 7620 |
| 279 | cctacgattt | ccgttgccgac | tattgtcgtg | attggatgaa | ctattatcgt | agttgctctc | 7680 |
| 281 | agagttgtcg | taatttgatg | gactattgtc | gtaattgctt | atggagttgt | cgtagttgct | 7740 |
| 283 | tggagaaatg | tcgtagttgg | atggggagta | gtcatagggg | agacgagctt | catccactaa | 7800 |
| 285 | aacaattggc | aggtcagcaa | gtgcctgccc | cgatgccatc | gcaagtacga | ggcttagaac | 7860 |

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/856,976

TIME: 14:08:48

Input Set : A:\0230-0158P.ST25.txt

Output Set: N:\CRF3\11142001\I856976.raw

| | | | | | | | |
|-----|-------------|------------|-------------|-------------|------------|-------------|-------|
| 287 | cacettcaac | agatcgcgca | tagtcttccc | cagctctcta | acgcttgagt | taagccgcgc | 7920 |
| 289 | cgcggaagcg | cgctggcttg | aacgaattgt | tagacattat | ttgccgacta | ccttggtgat | 7980 |
| 291 | ctcgcccttc | acgtagttaa | caaattcttc | caactgatct | gcgcgcgagg | ccaagcgatc | 8040 |
| 293 | ttcttgtcca | agataagcct | gcctagcttc | aagtatgacg | ggctgatact | gggccggcag | 8100 |
| 295 | gcgctccatt | gcccagtcgg | cagcgacatc | cttcggcgcg | atcttgccgg | ttactgcgct | 8160 |
| 297 | gtaccaaagt | cgggacaacg | taagcactac | atctcgctca | tcgccagccc | agtcgggcgg | 8220 |
| 299 | cgagttccat | agcgtaagg | tttcatttag | cgccctcaat | agatcctgtt | caggaaccgg | 8280 |
| 301 | atcaaagagt | tcctccgccc | ctggacctac | caaggcaacg | ctatgtttct | ttgcttttgt | 8340 |
| 303 | cagcaagata | gccagatcaa | tgtcgatcgt | ggctggctcg | aagataacct | caagaatgtc | 8400 |
| 305 | attgcgctgc | cattctccaa | attgcagttc | gcgcttagct | ggataacgcc | acggaatgat | 8460 |
| 307 | gtcgctcgtc | acaacaatgg | tgactttctc | agcgcgagga | atctcgctct | ctccagggga | 8520 |
| 309 | agccgaagtt | tccaaaaggt | cgttgatcaa | agctcgccgc | gttggttcat | caagccttac | 8580 |
| 311 | ggtcaccgta | accagcaaat | caatatcact | gtgtggcttc | aggccgccat | ccactgcgga | 8640 |
| 313 | gcggtacaaa | tgtacggcca | gcaacgctcg | ttcgagatgg | cgctcgatga | cgccaactac | 8700 |
| 315 | ctctgatagt | tgagtcgata | cttcggcgat | caccgcttcc | ctcatgatgt | ttaaactctg | 8760 |
| 317 | aattaagccg | cgccgcgaag | cggtgtcggc | ttgaatgaat | tgtaggcgt | catcctgtgc | 8820 |
| 319 | tcccagagaac | cagtaccagt | acatcgctgt | ttcgttcgag | acttgaggtc | tagttttata | 8880 |
| 321 | cgtgaacagg | tcaatgccgc | cgagagtaaa | gccacatttt | gcgtacaaat | tgcaggcagg | 8940 |
| 323 | tacattgttc | gtttgtgtct | ctaactcgat | gccaaaggagc | tgtctgctta | gtgccactt | 9000 |
| 325 | tttcgcaaat | tcgatgagac | tgtgcgcgac | tcctttgcct | cggtgcgtgt | gcgacacaac | 9060 |
| 327 | aatgtgttcg | atagaggcta | gatcgttcca | tgtagagttg | agttcaatct | tcccagacaag | 9120 |
| 329 | ctcttggtcg | atgaatgcgc | catagcaagc | agagtcttca | tcagagtcac | catccgagat | 9180 |
| 331 | gtaatccttc | cggtaggggc | tcacacttct | ggtagatagt | tcaaagcctt | ggtcggatag | 9240 |
| 333 | gtgcacatcg | aacacttcac | gaacaatgaa | atggtttctc | gcacccaatg | tttcggccac | 9300 |
| 335 | ctgctcaggg | atcacccaaa | tcttcatatg | acgcctaaac | cctggcacag | cgatcgcaa | 9360 |
| 337 | acctggcgcg | gcttttgcca | caaaaggcgt | gacaggtttg | cgaatccgtt | gctgccactt | 9420 |
| 339 | gttaaccctt | ttgccagatt | tggtaaactat | aatttatgtt | agaggcgaag | tcttggttaa | 9480 |
| 341 | aaactggcct | aaaattgctg | gggatttcag | gaaagtaaac | atcaccttcc | ggctcgatgt | 9540 |
| 343 | ctattgtaga | tatatgtagt | gtatctactt | gatcggggga | tctgctgect | cgcgcgcttc | 9600 |
| 345 | ggtagtgacg | gtgaaaacct | ctgacacatg | cagctcccgg | agacggtcac | agcttgctcg | 9660 |
| 347 | taagcggatg | ccgggagcag | acaagcccg | cagggcgcg | cagcgggtgt | tggcggtgt | 9720 |
| 349 | cggggcgcag | ccatgaccga | gtcacgtagc | gatagcggag | tgtatactgg | cttaactatg | 9780 |
| 351 | cggcatacga | cgagattgta | ctgagagtg | accatatg | gtgtgaaata | ccgcacagat | 9840 |
| 353 | gcgtaaggag | aaaataccgc | atcaggcgct | cttcgcttcc | ctcgctcact | gactcgctgc | 9900 |
| 355 | gctcggtcgt | tcggctgcgg | cgagcggtat | cagctcactc | aaaggcggt | atacggttat | 9960 |
| 357 | ccacagaatc | aggggataac | gcaggaaaga | acatgtgagc | aaaaggccag | caaaaggcca | 10020 |
| 359 | ggaaccgtaa | aaaggccgcg | ttgctggcgt | ttttccatag | gctccgcccc | cctgacgagc | 10080 |
| 361 | atcacaaaaa | tcgacgctca | agtcagaggt | ggcgaaaccc | gacaggacta | taaagatacc | 10140 |
| 363 | agcggtttcc | ccctggaagc | tcctcgtg | gctctcctgt | tcgaccctg | ccgcttaccg | 10200 |
| 365 | gatacctgtc | cgcttttctc | ccttcgggaa | gcgtggcgct | ttctcatagc | tcacgctgta | 10260 |
| 367 | ggtatctcag | ttcggtgtag | gtcgttcgct | ccaagctggg | ctgtgtgcac | gaaccccccg | 10320 |
| 369 | ttcagcccga | ccgctgcgcc | ttatccggt | actatcgctc | tgagtccaac | ccggtaaagc | 10380 |
| 371 | acgacttata | gccactggca | gcagccactg | gtaacaggat | tagcagagcg | aggtatgtag | 10440 |
| 373 | gcggtgctac | agagtctctg | aagtgggtgg | ctaactacgg | ctacactaga | aggacagtat | 10500 |
| 375 | ttgggtatctg | cgctctgctg | aagccagtta | ccttcggaaa | aagagttggt | agctcttgat | 10560 |
| 377 | ccggcaaaaca | aaccaccgct | ggtagcggtg | gtttttttgt | ttgcaagcag | cagattacgc | 10620 |
| 379 | gcagaaaaaaa | aggatctcaa | gaagatcctt | tgatcttttc | tacggggtct | gacgctcagt | 10680 |
| 381 | ggaacgaaaa | ctcacgttaa | gggatttttg | tcattgagatt | atcaaaaagg | atcttcacct | 10740 |
| 383 | agatcctttt | aaattaaaaa | tgaagtttta | aatcaatcta | aagtatatat | gagtaaacctt | 10800 |

RAW SEQUENCE LISTING

DATE: 11/14/2001

PATENT APPLICATION: US/09/856,976

TIME: 14:08:48

Input Set : A:\0230-0158P.ST25.txt

Output Set: N:\CRF3\11142001\I856976.raw

```

385 ggtctgacag ttaccaatgc ttaatcagtg aggcacctat ctcagcgatc tgtctatttc 10860
387 gttcatccat agttgectga cccccgctg ttagataaac tacgatacgg gagggcttac 10920
389 catctggccc cagtgetgca atgataccgc gagacccacg ctcaccggct ccagatttat 10980
391 cagcaataaa ccagccagcc ggaagggccg agcgcagaag tggctctgca actttatccg 11040
393 cctccatcca gtctattaat tgttgccggg aagctagagt aagtagttcg ccagttaata 11100
395 gtttgcgcaa cgttgttgcc attgctgcag gggggggggg ggggggggac ttccattggt 11160
397 cattccacgg aaaaaaacag agaaaggaaa cgacagaggc caaaaagcct cgctttcagc 11220
399 acctgtcggt tcctttcttt tcagagggtt ttttaataa aaacattaag ttatgacgaa 11280
401 gaagaacgga aacgccttaa accggaaaat tttcataaat agcgaaaacc cgcgaggtcg 11340
403 ccgccccgta acctgtcgga tcaccggaaa ggaccggtta agtgataatg attatcatct 11400
405 acatatcaca acgtgctggg aggccatcaa accacgtcaa ataatcaatt atgacgcagg 11460
407 tctcgtatta attgatctgc atcaacttaa cgtaaaaaaca acttcagaca atacaaatca 11520
409 gcgacactga atacggggca acctcatgtc cccccccccc cccccctgc aggcacgtg 11580
411 gtgtcacgct cgtcgtttgg tatggcttca ttcagctcgg gttcccaacg atcaaggcga 11640
413 gttacatgat ccccatgtt gtgcaaaaaa gcggttagct ccttcggtcc tccgatcggt 11700
415 gtcagaagta agttggccgc agtgttatca ctcatggtta tggcagcact gcataattct 11760
417 cttactgtca tgccatccgt aagatgcttt tctgtgactg gtgagtactc aaccaagtca 11820
419 ttctgagaat agtgtatgcg gcgaccgagt tgctcttgcc cggcgtaaac acgggataat 11880
421 accgcgccac atagcagaac tttaaaagtg ctcacattg gaaaacgttc ttcggggcga 11940
423 aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaaccac tcgtgcaccc 12000
425 aactgatctt cagcatcttt tactttcacc agcgtttctg ggtgagcaaa aacaggaagg 12060
427 caaatgccg caaaaaaggg aataaggcg acacggaaat gttgaatact catactcttc 12120
429 ctttttcaat attattgaag catttatcag ggttattgtc tcatgagcgg atacatattt 12180
431 gaatgtattt agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcc 12240
433 cctgacgtct aagaaacat tattatcatg acattaacct ataaaaatag gcgtatcacg 12300
435 aggccctttc gtcttcaaga attggtcgac gatcttgctg cgttcggata ttttcgtgga 12360
437 gttcccgcca cagaccgga ttgaaggcga gatccagcaa ctcgcgccag atcatcctgt 12420
439 gacggaactt tggcgcgtga tgactggcca ggacgtcggc cgaaagagcg acaagcagat 12480
441 cacgtttttc gacagcgtcg gatttgcgat cgaggatttt tcggcgctgc gctacgtccg 12540
443 cgaccgcgtt gagggatcaa gccacagcag cccactcgac cttctagccg acccagacga 12600
445 gccaaaggat ctttttgga tgctgctcgg tcgtcagggt ttcgcagcgt tgggtggtg 12660
447 aacagaagtc attatcgtac ggaatgccaa gcactccgga ggggaaccct gtggttgga 12720
449 tgcacataca aatggacgaa cggataaac ttttcacgcc cttttaataa tccgttatc 12780
451 taataaacgc tcttttctct taggtttacc cgccaatata tcctgtcaaa cactgatagt 12840
453 ttaaaactgaa ggcgggaaac gacaatctga tcatgagcgg agaattaagg gagtacggt 12900
455 atgacccccg ccgatgacgc gggacaagcc gttttacgtt tggaactgac agaaccgcaa 12960
457 cgttgaagga gccactcagc cc 12982
460 <210> SEQ ID NO: 2
461 <211> LENGTH: 90
462 <212> TYPE: DNA
463 <213> ORGANISM: Artificial Sequence
465 <220> FEATURE:
466 <223> OTHER INFORMATION: Synthetic DNA based on the Ti plasmid pTiAch5
468 <220> FEATURE:
469 <221> NAME/KEY: misc_feature
470 <223> OTHER INFORMATION: LB sequences are 1-25 and 55-70
473 <400> SEQUENCE: 2
474 atttacaatt gaatatatcc tgccgcccgt gccgctttgc acccgattta caattgaata 60
476 tctcctgccg ccgctgccgc tttgcaaccg 90

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,976

DATE: 11/14/2001

TIME: 14:08:49

Input Set.: A:\0230-0158P.ST25.txt

Output Set: N:\CRF3\11142001\I856976.raw